

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P581782

Luminaire Tested: **HCC6W15D010BZ-HM60525927-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W15D010BZ-HM60525927-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

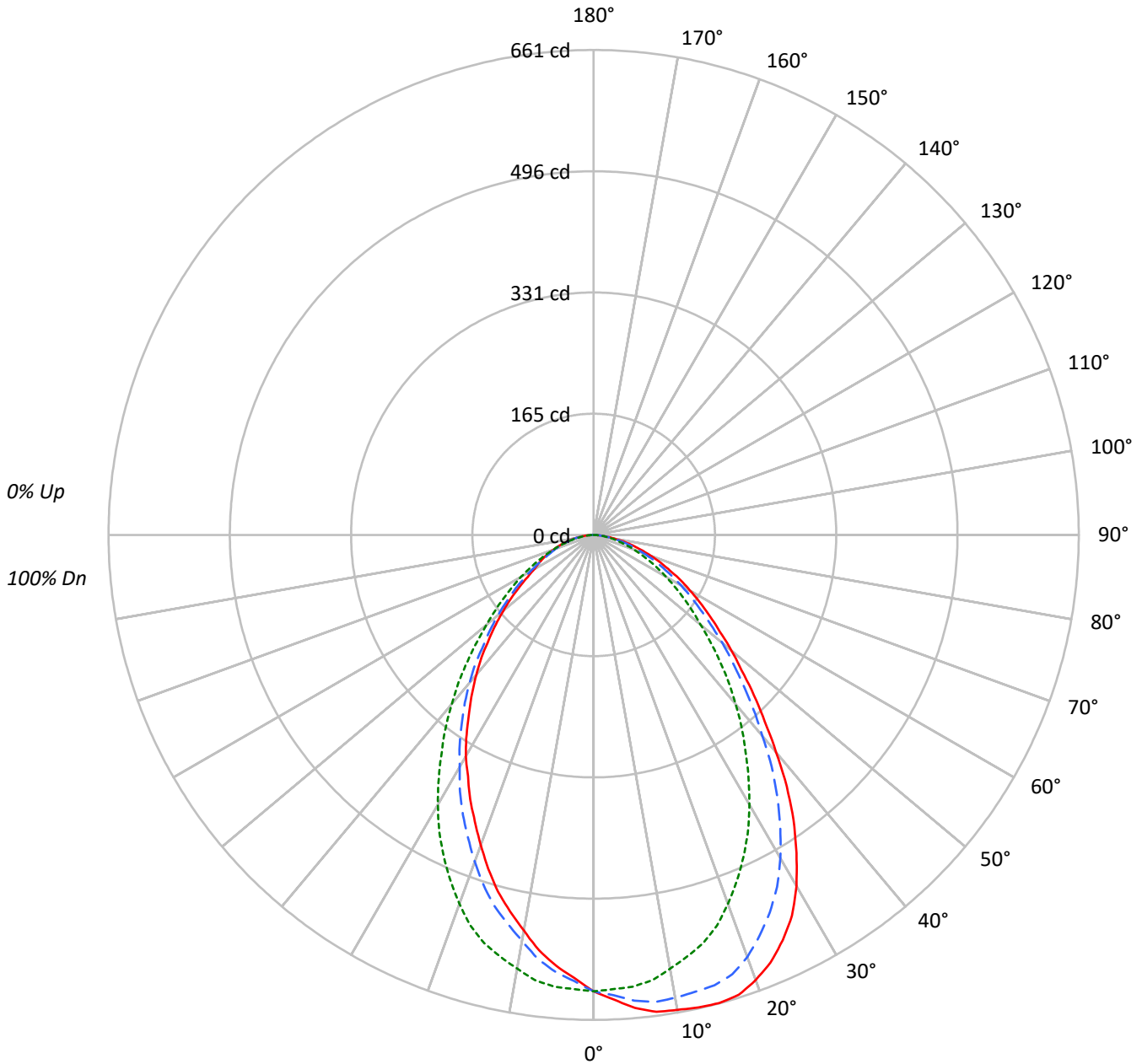
Lumens per Lamp: N/A  
Luminaire Lumens: 1158.9 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P581782  
CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61WWW

### Luminous Intensity Polar Plot





TEST NUMBER: P581782

CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61WWW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	34104	34104	34104
5°	35615	34003	32434
10°	36589	33416	30483
15°	37492	32690	28564
20°	37663	31211	26229
25°	36867	29227	24056
30°	34980	26871	22048
35°	31775	24153	19782
40°	27680	21505	17798
45°	23948	18824	15645
50°	20920	16213	13705
55°	18484	14241	11756
60°	16611	12477	10197
65°	14878	10870	9884
70°	13287	9264	9264
75°	11544	7816	8684
80°	9250	6598	7924
85°	6353	5787	6856



TEST NUMBER: P581782  
 CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.5	5.0
10°-20°	162.5	14.0
20°-30°	226.5	19.5
30°-40°	233.4	20.1
40°-50°	193.4	16.7
50°-60°	139.0	12.0
60°-70°	88.5	7.6
70°-80°	45.5	3.9
80°-90°	11.6	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	447.5	38.6
0°-40°	680.9	58.8
0°-60°	1013.3	87.4
0°-90°	1158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	622	622	622	622	622	
5°	647	637	618	598	589	62
15°	661	636	576	523	503	186
25°	610	568	483	421	398	279
35°	475	436	361	313	296	295
45°	309	287	243	212	202	239
55°	193	178	149	132	123	174
65°	115	102	84	73	76	115
75°	54	47	37	38	41	58
85°	10	9	9	10	11	13
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P581782

CATALOG NUMBER: HCC6W15D010BZ-HM60525927-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	633.8	631.3	628.0	624.6	619.6	613.7	608.7	607.0	604.5
5°	647.2	643.9	637.2	628.8	617.9	607.0	597.8	592.0	589.4
7.5°	655.6	651.4	642.2	628.0	612.1	596.1	582.7	574.4	571.0
10°	657.3	653.1	640.5	621.3	600.3	578.6	561.8	551.7	547.6
12.5°	659.8	653.9	638.0	615.4	588.6	563.5	542.5	530.0	525.8
15°	660.6	653.9	635.5	607.9	576.0	545.9	523.3	508.3	503.3
17.5°	657.3	649.8	628.0	594.5	558.4	526.6	499.9	484.0	477.3
20°	645.6	637.2	612.1	574.4	535.0	501.6	473.9	457.2	449.6
22.5°	630.5	619.6	591.1	550.9	510.0	474.8	447.1	430.4	422.8
25°	609.5	599.5	567.7	524.9	483.2	446.3	421.2	403.6	397.7
27.5°	585.3	573.5	540.9	498.2	455.5	418.7	394.4	378.4	370.9
30°	552.6	541.7	509.0	466.4	424.5	390.2	365.0	351.6	348.3
32.5°	514.2	504.8	473.1	432.9	392.7	360.9	339.9	325.7	322.3
35°	474.8	463.9	436.2	398.5	360.9	332.4	313.1	300.5	295.6
37.5°	432.1	422.0	398.5	365.0	331.5	304.7	288.1	277.2	272.2
40°	386.8	379.3	357.5	330.7	300.5	277.2	262.9	253.7	248.7
42.5°	344.9	337.4	322.3	297.3	272.2	251.2	238.6	230.3	226.1
45°	308.9	302.3	287.2	265.5	242.8	225.2	211.8	206.0	201.8
47.5°	273.0	269.6	256.2	236.1	215.2	200.1	190.9	184.2	180.8
50°	245.3	241.2	228.6	207.7	190.1	178.3	170.0	164.1	160.7
52.5°	216.9	212.7	200.9	183.4	169.1	158.2	149.8	144.8	141.5
55°	193.4	190.1	177.5	161.6	149.0	139.8	132.3	126.4	123.0
57.5°	171.6	168.3	156.6	141.5	130.6	122.2	115.5	110.5	106.3
60°	151.5	149.0	137.3	123.0	113.8	105.6	99.7	95.5	93.0
62.5°	133.9	128.9	118.9	106.3	98.0	91.3	85.4	82.9	84.6
65°	114.7	112.3	102.2	91.3	83.8	77.1	72.9	74.6	76.2
67.5°	98.7	95.5	87.1	77.1	70.4	65.3	62.8	66.2	67.0
70°	82.9	79.6	72.0	63.7	57.8	54.5	54.5	57.0	57.8
72.5°	67.9	65.3	58.6	51.9	47.7	45.2	46.9	48.6	49.4
75°	54.5	51.9	46.9	41.0	36.9	36.9	38.5	40.2	41.0
77.5°	41.9	40.2	35.2	31.0	29.3	29.3	31.0	31.8	32.7
80°	29.3	27.6	25.1	22.6	20.9	22.6	24.3	24.3	25.1
82.5°	19.3	18.4	16.8	15.1	15.1	15.9	16.8	17.6	17.6
85°	10.1	10.1	9.2	8.4	9.2	10.1	10.1	10.9	10.9
87.5°	3.4	3.4	3.4	3.4	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°    - - 45°-225°    - - - - 90°-270°

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)